

Title (en)  
INSERTION DEVICE

Title (de)  
EINSETZVORRICHTUNG

Title (fr)  
DISPOSITIF D'INTRODUCTION

Publication  
**EP 3005932 A1 20160413 (EN)**

Application  
**EP 14804755 A 20140513**

Priority  
• JP 2013113936 A 20130530  
• JP 2014062710 W 20140513

Abstract (en)  
An insertion device includes a cylindrical base member extending with a longitudinal axis being an axial center, a driving source generating a movement driving force to move a movement section, and a line portion extending inside an inserting section along a line core axis parallel to the longitudinal axis and transmitting the movement driving force to the movement section. The insertion device includes a coupling member transmitting a vibration generated in the driving source to the base member in a state that the driving source is caused to vibrate by a load acted on the movement section, and a grip to which the vibration generated in the driving source is transmitted from the base member.

IPC 8 full level  
**A61B 1/00** (2006.01); **G02B 23/24** (2006.01)

CPC (source: EP US)  
**A61B 1/00071** (2013.01 - EP US); **A61B 1/00148** (2022.02 - EP); **A61B 1/00156** (2013.01 - EP US); **A61B 1/0016** (2013.01 - EP US); **G02B 23/2476** (2013.01 - EP US); **A61B 1/00066** (2013.01 - EP US); **A61B 1/00135** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2015196191 A1 20150716**; **US 9622648 B2 20170418**; CN 105163645 A 20151216; CN 105163645 B 20170531; EP 3005932 A1 20160413; EP 3005932 A4 20170329; JP 5802856 B2 20151104; JP WO2014192537 A1 20170223; WO 2014192537 A1 20141204

DOCDB simple family (application)  
**US 201514603497 A 20150123**; CN 201480023685 A 20140513; EP 14804755 A 20140513; JP 2014062710 W 20140513; JP 2015501972 A 20140513